

Name (Last, First): \_\_\_\_\_ First 3 letters of last name: \_\_\_\_\_

Student ID: \_\_\_\_\_

# Answer Sheet 1

Total score

Discussion board username: \_\_\_\_\_

Db EC

/ 100

I have read and agree to all instructions for this exam.

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

**Chemistry and Biochemistry 153A, Winter 2011**

**Final Exam**

## Page 2 (30 points)

1. a. True False

b. True False

c. True False

d. True False

e. True False

f. True False

g. True False

h. True False

i. True False

j. True False

2. \_\_\_\_\_

3. a. \_\_\_\_\_

b. \_\_\_\_\_ c. \_\_\_\_\_ d. \_\_\_\_\_

e.

(35 words or fewer)

4. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Scores

Page 2:

/ 30

Page 3:

/ 16

Page 4:

/ 32

Page 5:

/ 22

## Page 3 (16 points)

5. a. True False

b. True False

c. True False

6.

(15 words or fewer)

7. \_\_\_\_\_

Page 4 (32 points)

8. a. (1) reductant oxidant  
 (2) reduced oxidized

b.

- c. True False

d.

e.

- f. \_\_\_\_\_ g.

(20 words or fewer)

9. a. nuc: \_\_\_\_\_ elec: \_\_\_\_\_

- b. \_\_\_\_\_

- c. enzyme: \_\_\_\_\_

(20 words or fewer, total)

similarities: \_\_\_\_\_

differences: \_\_\_\_\_

Page 5 (22 points)

10. a. \_\_\_\_\_

- b. \_\_\_\_\_

- c. (1) \_\_\_\_\_

- (2) \_\_\_\_\_

- (3) \_\_\_\_\_

\_\_\_\_\_

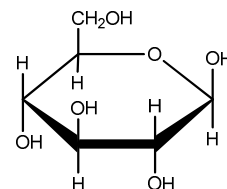
11. a.

(20 words or fewer)

- b.

(25 words or fewer)

- c.



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## Answer Sheet 2

Chemistry and Biochemistry 153A, Winter 2011

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Total score
/100

### Pages 6-7 (#12 & 13) (37 points)

12. a.

b.

c.

d.

(8 words or fewer)

Pages	Scores
6-7:	/ 37

P7-8 #14:	/ 17
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Page 8:	/ 10
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Pages 9-10:	/ 36
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e. True False

13. a.

\_\_\_\_\_

b.

(30 words or fewer)

c. \_\_\_\_\_

d. \_\_\_\_\_

e. \_\_\_\_\_

f. 

(10 words or fewer)

g. \_\_\_\_\_ h. A. \_\_\_\_\_ B. \_\_\_\_\_

### Pages 7-8 (#14) (27 points)

14. a.

\_\_\_\_\_

(20 words or fewer)

b.

c.

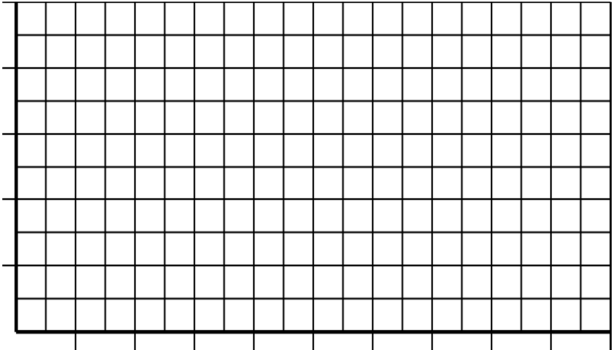
(20 words or fewer)

d. \_\_\_\_\_

e.

f. \_\_\_\_\_ g. \_\_\_\_\_

Page 8 (#15-16) (10 points)

15. a. 

16. a. \_\_\_\_\_  
b. \_\_\_\_\_

b. True False

Pages 9-10 (36 points)

17. a. \_\_\_\_\_

- b. (a) \_\_\_\_\_
- (b) \_\_\_\_\_
- (c) \_\_\_\_\_
- (d) \_\_\_\_\_
- (e) \_\_\_\_\_

c. \_\_\_\_\_

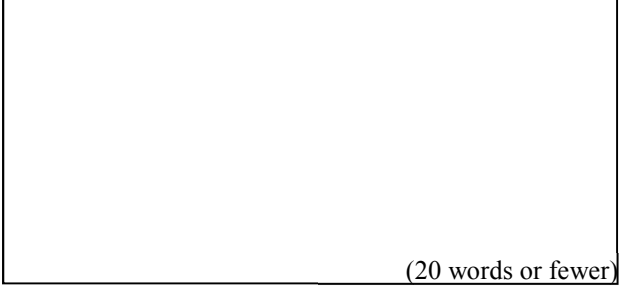
d. \_\_\_\_\_


e. \_\_\_\_\_

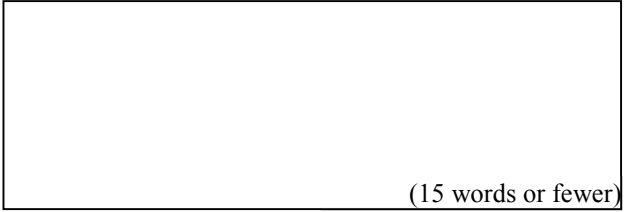
f. A. \_\_\_\_\_

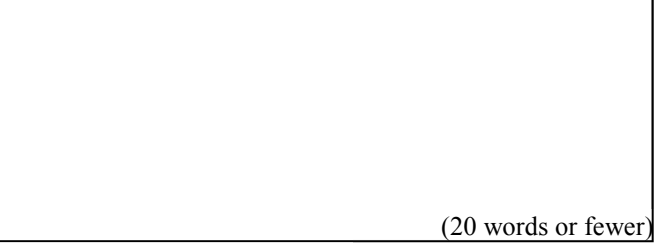
B. \_\_\_\_\_


C. \_\_\_\_\_

D.   
(20 words or fewer)

g. A.   
(15 words or fewer)

B.   
(15 words or fewer)

h.   
(20 words or fewer)

i.   
(10 words or fewer)

j. \_\_\_\_\_